

WHAT IS CLAIMED IS:

1. A high pressure fuel accumulation device comprising:

a fuel distribution pipe;

a main body whose interior constitutes an accumulation chamber for accumulating high pressure fuel, the main body being provided in a circumferential wall thereof with a through-hole radially extending from the accumulation chamber and, further, on an exterior circumferential wall thereof surrounding the through-hole and at a position substantially concentric with the through-hole with a hollowed pipe joint to which the fuel distribution pipe is fastened; and

a cylindrical intermediate member having a conduit extending through an axial center thereof, the conduit being provided at a part thereof with an orifice whose inner diameter is smaller than that of any other part of the conduit and smaller than an inner diameter of the through-hole,

wherein the cylindrical intermediate member is housed inside the hollowed pipe joint and sandwiched under pressure between an axial end of the fuel distribution pipe and the exterior circumferential wall of the main body around the through-hole so that the fuel distribution pipe communicates with the through-hole via the conduit.

2. The high pressure fuel accumulation device according to claim 1, wherein the accumulation chamber is formed inside an accumulation pipe and the through-hole is formed in a

circumferential wall of the accumulation pipe and, further, the hollowed pipe joint is formed separately from the accumulation pipe and bonded to an outer circumference of the accumulation pipe.

3. The high pressure fuel accumulation device according to claim 1, wherein the circumferential wall of the main body is provided along an axial end circumference of the through-hole on a side opposite to the accumulation chamber with a conical seat surface, and the cylindrical intermediate member is provided at an end thereof on a side of an axial end of the conduit with a semi-sphere shaped seat, whereby the semi-sphere shaped seat is pressed against the conical seat surface.

4. The high pressure fuel accumulation device according to claim 1, wherein the orifice is formed at an axial end of the conduit so that inner diameter of the conduit extending from the orifice toward the other axial end thereof is larger than that of the orifice.

5. The high pressure fuel accumulation device according to claim 1, wherein the main body has plural pieces of the through-holes formed in the circumferential wall thereof at a given longitudinal spacing, each of the through-holes serving as a fuel outlet of the main body to be connected with each injector via the fuel delivery pipe.